

U.S. Department of Commerce, Patent and Trademark Office		Atty Docket No.	Serial No.
		M-15241 US	10/632,186
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		Applicant(s)	
		Yi Ding	
OCT 08 2003		Filing Date	Group
		July 30, 2003	Unassigned
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
AA	United States Patent Application No. 10/440,466/entitled "Fabrication Of Conductive Gates For Nonvolatile Memories From Layers With Protruding Portions," Filed on May 16, 2003; Attorney Docket No.: M-12979 US.		
AB	United States Patent Application No. 10/440,005, entitled "Fabrication of Dielectric On A Gate Surface To Insulate The Gate From Another Element Of An Integrated Circuit," Filed on May 16, 2003; Attorney Docket No.: M-15203 US.		
AC	United States Patent Application No. 10/440,508, entitled "Fabrication Of Gate Dielectric In Nonvolatile Memories Having Select, Floating And Control Gates," Filed on May 16, 2003; Attorney Docket No.: M-15204 US.		
AD	United States Patent Application No. 10/440,500, entitled "Integrated Circuits With Openings that Allow Electrical Contact To Conductive Features Having Self-Aligned Edges," Filed on May 16, 2003; Attorney Docket No.: M-15205 US.		
AE	United States Patent Application No. 10/393,212, entitled "Nonvolatile Memories And Methods Of Fabrication," Filed on March 19, 2003; Attorney Docket No.: M-12902 US.		
AF	United States Patent Application No. 10/411,813, entitled "Nonvolatile Memories With A Floating Gate Having An Upward Protrusion," Filed on April 10, 2003; Attorney Docket No.: M-12903 US.		
AG	United States Patent Application No. 10/393,202, entitled "Fabrication of Integrated Circuit Elements In Structures With Protruding Features," Filed on March 19, 2003; Attorney Docket No.: M-15151 US.		
AH	United States Patent Application No. 10/631,941, entitled "Nonvolatile Memory Cell With Multiple Floating Gates Formed After The Select Gate," Filed on July 30, 2003; Attorney Docket No.: M-15171 US.		
AI	United States Patent Application No. 10/632,155, entitled "Nonvolatile Memory Cells With Buried Channel Transistors," Filed on July 30, 2003; Attorney Docket No.: M-15222 US.		
AJ	United States Patent Application No. 10/632,007, entitled "Arrays Of Nonvolatile Memory Cells Wherin Each Cell Has Two Conductive Floating Gates," Filed on July 30, 2003; Attorney Docket No.: M-15223 US.		
AK	United States Patent Application No. 10/631,452, entitled "Fabrication Of Dielectric For A Nonvolatile Memory Cell Having Multiple Floating Gates," Filed on July 30, 2003; Attorney Docket No.: M-15229 US.		
AL	United States Patent Application No. 10/632,154, entitled "Fabrication Of Gate Dielectric In Nonvolatile Memories In Which A Memory Cell Has Multiple Floating Gates," Filed on July 30, 2003; Attorney Docket No.: M-15230 US.		
AM	United States Patent Application No. 10/631,552, entitled "Nonvolatile Memories And Methods Of Fabrication," Filed on July 30, 2003; Attorney Docket No.: M-12902-1P US.		
AN			
Examiner <i>Shaw</i>		Date Considered 7/8/04	
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U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>IN</i>	AA	6,420,231	16 Jul. 2002	Harari et al.			
<i>TW</i>	AB	2003/0218908 A1	27 Nov. 2003	Park et al.			
<i>IN</i>	AC	2004/0004863 A1	8 Jan. 2004	Wang			
	AD						
	AE						
	AF						
	AG						
	AH						

  

Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
<del><i>IN</i></del>	AI	EP 0 938 098 A2	25 Aug. 1999	Europe				
	AJ							
	AK							
	AL							

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
<del><i>IN</i></del>	AM	United States Patent Application No. 10/798,475, entitled "Fabrication of Conductive Lines Interconnecting Conductive Gates in Nonvolatile Memories and Non-Volatile Memory Structures," Filed on March 10, 2004; Attorney Docket No. M-15296 US.
<i>ti</i>	AN	United States Patent Application No. 10/797,972, entitled "Fabrication of Conductive Lines Interconnecting First Conductive Gates in Nonvolatile Memories Having Second Conductive Gates Provided By Conductive Gates Lines, Wherein The Adjacent Conductive Gate Lines For The Adjacent Columns Are Spaced From Each Other, And Non-Volatile Memory Structures," Filed on March 10, 2004; Attorney Docket No. M-15297 US.
	AO	
	AP	

  

Examiner <i>liam</i>	Date Considered <i>7/8/04</i>
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				Filed Herewith		Unassigned	

  

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>TH</i>	AA	5,402,371	28 Mar. 1995	Ono			
	AB	5,856,943	5 Jan. 1999	Jenq			
	AC	6,057,575	2 May 2000	Jenq			
	AD	6,130,129	10 Oct. 2000	Chen			
	AE	6,134,144	17 Oct. 2000	Lin et al.			
	AF	6,171,909	9 Jan. 2001	Ding et al.			
	AG	6,200,856	13 Mar. 2001	Chen			
	AH	6,261,903	17 Jul. 2001	Chang et al.			
	AI	6,326,661	4 Dec. 2001	Dormans et al.			
	AJ	6,355,524	12 Mar. 2002	Tuan et al.			
<i>TH</i>	AK	6,365,457	2 Apr. 2002	Choi			

  

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AL	Shirota, Riichiro "A Review of 256Mbit NAND Flash Memories and NAND Flash Future Trend," February 2000, Nonvolatile Memory Workshop in Monterey, California, pages 22-31.
	AM	Naruke, K.; Yamada, S.; Obi, E.; Taguchi, S.; and Wada, M. "A New Flash-Erase EEPROM Cell with A Sidewall Select-Gate On Its Source Side," 1989 IEEE, pages 604-606.
	AN	Wu, A.T.; Chan T.Y.; Ko, P.K.; and Hu, C. "A Novel High-Speed, 5-Volt Programming EPROM Structure With Source-Side Injection," 1986 IEEE, 584-587.
	AO	Mizutani, Yoshihisa; and Makita, Koji "A New EPROM Cell With A Sidewall Floating Gate Fro High-Density and High Performance Device," 1985 IEEE, 635-638.
	AP	Ma, Y.; Pang, C.S.; Pathak, J.; Tsao, S.C.; Chang, C.F.; Yamauchi, Y.; Yoshimi, M. "A Novel High Density Contactless Flash Memory Array Using Split-Gate Source-Side-Injection Cell for 5V-Only Applications," 1994 Symposium on VLSI Technology Digest of Technical Papers, pages 49-50.
	AQ	Mih, Rebecca et al. "0.18um Modular Triple Self-Aligned Embedded Split-Gate Flash Memory," 2000 Symposium on VLSI Technology Digest of Technical Papers, pages 120-121.
	AR	Ma, Yale et al., "A Dual-Bit Split-Gate EEPROM (DSG) Cell in Contactless Array for Single Vcc High Density Flash Memories," 1994 IEEE, 3.5.1-3.5.4.

  

Examiner <i>Chen</i>	Date Considered 7/8/04
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U.S. Patent Documents							
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TN	AS	6,437,360	20 Aug. 2002	Cho et al.			
	AT	6,438,036	20 Aug. 2002	Seki et al.			
	AU	6,486,023	26 Nov. 2002	Nagata			
	AV	6,541,324	1 Apr. 2003	Wang			
	AW	2002/0064071 A1	30 May 2002	Takahashi et al.			
	AX	2002/0197888 A1	26 Dec. 2002	Huang et al.			
	AY	6,266,278	24 Jul. 2001	Harari et al.			
	AZ	5,901,084	4 May 1999	Ohnakado			
	BA	6,518,618	11 Feb. 2003	Fazio et al.			
	BB	6,541,829	1 Apr. 2003	Nishinohara et al.			
TN	BC	6,414,872	2 Jul. 2002	Bergmont et al.			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BD	Spinelli, Alessandro S., "Quantum-Mechanical 2D Simulation of Surface-and Buried-Channel p-MOS," 2000 International Conference on Simulation of Semiconductor Processes and Devices: SISPAD 2000, Seattle, WA September 6-8, 2000					
	BE	Kim, K.S. et al. "A Novel Dual String NOR (DuSnor) Memory Cell Technology Scalable to the 256 Mbit and 1 Gbit Flash Memories," 1995 IEEE 11.1.1-11.1.4					
	BF	Bergmont, A. et al. "NOR Virtual Ground (NVG)- A New Scaling Concept for Very High Density FLASH EEPROM and its Implementation in a 0.5 um Process," 1993 IEEE 2.2.1-2.2.4					
	BG	Van Duuren, Michiel et al., "Compact poly-CMP Embedded Flash Memory Cells For One or Two Bit Storage," Philips Research Leuven, Kapeldreef 75, B3001 Leuven, Belgium, pages 73-74.					
	BH						
	BI						
	BJ						
Examiner <i>Tham</i>		Date Considered 7/18/04					
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